SBR no. 55/16-17
30-6-16

Original/Duplicate/Triplicate

P.W.G. 1 | 1st and final Bill | **CONTRACT CERTIFICATE** | Reference paras 158 & 170

Division **Yelahanka** | Sub division **Yelahanka New Town** | Date

YNK-DBR No. 128
Date 12.07.16

Bills received No | Date | Sub-divisional | Cash book vr No
Divisional | Date
Sheduled Docket No | Head of account

Name of work(as per sanctioned estimate) :-

Work Code:004-15-000019

NAME OF WORK :Construction of Rangamandira in Judicial Lyout in ward no 04 o Yelahanka Satellit Town Sub Division

Name of contractor and full address :- **M Ramamurthy**

Reference to agreement No :- 179 | **Estimated cost : 30.00** | **Work order No 179, 03-02-2016**

Certified that the measurments were taken by me on 30/06/16 and recorded on pages 463/07 to 140 of measurment book No 4632 and the work is satisfactorily executed by the contractor.

M. Murthy
Signature of contractor

Ramaregowda
Asst. Engineer

Certified that the measurments were taken by me on 30/6/16 and recorded correct.The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%---------		
3) Balance---		
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount adjusted towards cash advance recovery of		
b) Cost of payments/stores or other materials supplied now made recovery of		
Amount paid on this bill by cheque/cash		
Total		
5). Balance being unpaid value of work done held in reserve		
6) Deduct cash of advance made on divisional/sub divisional cash book		
7) Net amount due to or from contractor.		
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied.		
TOTAL AMOUNT UN-ADJUSTED		

Bill amount 29,84,317-00
IT - 29,845-00
ESD - 1,93,980-00
KSI - 1,19,375-00
LWF - 298-00
CBF - 2,985-00
LR - 35,188-00
Fine - 3,753-00
TDS deductions 4,16,971-00
4,11,218-00
cheque - 25,67,346-00
25,73,099-00

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum
(in final settlement of all demand)
Witness
1)
2)

Reciept Stamp

Audited & admitted for Rs. 29,84,317/-
25,73,099-00
25,67,346/-
and Rs. 4,16,971/-
4,11,218-00

Dated signature of contractor
paid by me cheque No dated

Cash Rs.....

Date | Initials of officer making payment | Date | Executive Engineer

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	
1	2	3	4	5	6	7	8	9	10
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1 PW, P & IWTD -SR 2013-14)	Cum			63.60 64.80	124.02	7887.67 8036.50	63.60 64.80	7887.67 8036.50
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2013-14)	Cum			99.27	223.66	22202.73	99.27	22202.73
3	KSRB 2.10: Providing sand cement bed with 5% cement with all leads for all materials and lift of 1.5 m. machine mixed, laid in layers of 15cms. thick and well compacted for foundation, including curing cost of materials labour and HOM complete as per specifications. specification. No. KBS (P.6/I.2.17 PW, P & IWTD -SR 2013-14)	Cum			12.17	2604.42	31695.79	12.17	31695.79

Sl. No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
4	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix **M 7.5 withOPC** cement at 180kgs. with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2013-14	Cum			85.30	4211.38	359230.71	85.30	359230.71
5	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.22/I.5.6 PW, P & IWTD - SR 2013-14)	Cum			44.72	3484.22	155814.32	44.72	155814.32
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.22/I.5.9 PW, P & IWTD - SR 2013-14)	Cum			13·67 13.71	4148.84	56714·64 56880.60	13·67 13.71	56714·64 56880.60

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
7	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.97/I.15.3 PW, P & IWTD SR 2013-14)	Sqm			27.44	78.44	2152.39	27.44	2152.39
8	KSRB 4-1.6 : Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6 PW, P & IWTD -SR 2013-14)	Cum			42.12	4690.50	197563.86	42.12	197563.86
9	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications, specification. No. KBS 2.9 (P.6/I.2.10 PW, P & IWTD 2013-14	Cum			99.27	99.64	9891.26	99.27	9891.26

	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
	KSRB 4-6.1 : Providing and removing **centering, shuttering**, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.14/I.4.28 PW, P & IWTD -- SR 2013-14)	Sqm			31.77	220.48	7004.65	31.77	7004.65
11	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.15/I.4.32 PW, P & IWTD --	Sqm			123.80 137.76	330.72	40,943=00 45559.99	123.80 137.76	40,943=00 45559.99
12	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm			119.43 126.58	239.56	28,610.65 30323.50	119.43 126.58	28,610.65 30323.50

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
13	KSRB 4-6.2: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.14/I.4.29 PW, P & IWTD-SR 2013-14)	Sqm			42.05 43.38	284.08	11,945.00 12323.39	42.05 43.38	11,945.00 12323.39
14	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.15/I.4.37 PW, P & IWTD -- SR 2013-14)	Sqm			2.16	242.74	524.32	2.16	524.32

	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
15	KSRB 4.2.2 : Providing and laying in position **Reinforced cement concrete of mix M20 with OPC cement** @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification No. KBS	Cum			38.99 39.19	5535.32	2,15,822.00 216929.19	38.99 39.19	2,15,828.00 216929.19
16	KSRB 4.9.2: **Providing T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2013-14))	Qtl			38.42	7244.04	278316.02	38.42	278316.02

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
17	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of nominal mix 1:1.5:3 with 12mm and down size graded granite metal, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (P.13/I.4.19 PW, P & IWTD --SR 2013-14)	Sqm			2.16	405.98	876.92	2.16	876.92
18	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P.24/I.5.27 PW, P & IWTD - SR 2013-14)	Sqm			170.02	907.36	154269.35	170.02	154269.35

Sl.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
19	Supplying and fixing pressed **steel door frames size 125 x 65 mm** manufactured from 1.25 mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm thick with lock rail of 160 mm width, top and side of 100 mm width and bottom rails of 250 mm width and panel filling with 12 mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, war page and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work,	Sqm			6.30 6.48	3710	23,373.00 24040.80	6.30 6.48	23,373.00 24040.80

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
20	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4 Nos. of hold fasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel	Sqm			5.00	3638.98	18194.90	5.00	18194.90

	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
21	**Fabricating supplying and erecting M.S. angular Truss of span upto 10m** bottom and top member is provided with 50x50x6mm double equale angles, welded back to back and in between top and bottom line, in ereas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided all the members are weldeded togeher with 6mm gusset plate as per drawing, Nos CBS/SD/K-mantap/9/MND/97. The enter truss is anchored in RCC column buy using 4Nos of M.S anchor bolts at eacth support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening , pacing in position of M.S angle and welding wherever necessary, and **applying one of red oxide primer coat** to all the members including cost of all materials, labour charges,and higher				3369.06 3380.16	125.08	4,21,402=00 422790.41	3369.06 3380.16	4,21,402=00 422790.41
22	KSRB 8.3-2 Providing and laying to required line and **slope roofing with semi-corrugated (Trafford) asbestos cement sheet** 6mm. thick fixed with galvanised iron J or L hooks, blots and nits 8mm dia C.I. plain and bitumen washers, over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications Page No. 51/ Item No. 8.6/ PWD SR 2013-14				124.8	397.5	49608.00	124.80	49608.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
23	**Providing and laying flooring** using pre polishing water cut/gang saw 19 mm thick Granite slab over existing cement concrete bed in CM 1:4 at 20mm thick (average) pointed with white cement/ colour pigment etc., complete. -do- using **gray granite** Page No. 115/ Item No. 14.47.1 / PWD SR 2013-14				315.00	2067.00	651105.00	315.00	651105.00
24	KSRB 15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.98/ I.15.21	Sqm			43.38	163.24	7081.35	43.38	7081.35
25	KSRB 15-3.7 : Providing 18mm thick cement plastering single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.97-98/I.15.15 PW, P & IWTD --SR 2013-14)	Sqm			254.21	209.88	53353.59	254.21	53353.59
26	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (P.99 /I.15.33 PW, P & IWTD -SR 2013-14)	Sqm			297.59	19.08	5678.02	297.59	5678.02

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
27	KSRB 15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.98/I.15.18 PW, P & IWTD --SR 2013-14)	Sqm			297.71	223.66	66585.82	297.71	66585.82
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint with primer of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer (P.101/I.15.51.2 PW, P & IWTD -SR 2013-14)	Sqm			297.59	63.30	18837.45	297.59	18837.45
29	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer (P.102 / I.15.53.2 PW, P & IWTD --SR 2013-14)	Sqm			297.71	78.44	23352.37	297.71	23352.37

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	
30	KSRB 8.6-5 : Providing and fixing on wall surface 2.5 kg / sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications. (P.42/I.8.16 PW, P & IWTD - SR 2013-14)	Mtr			7.00	415.52	2908.64	7.00	2908.64
31	KSRB 14.14-2: Providing colour glazed tiles all sizes 10mm thick for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.15.2 (P.93/I.14.33 PW, P & IWTD -SR -SR 2013-14)	Sqm			12.60	882.98	11125.55	12.60	11125.55
32	KSRB 13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.2 / 13.3 (P.80/I.13.23 PW, P & IWTD - SR 2013-14)	Each			2.00	231.08	462.16	2.00	462.16

Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
		Qty	Cost	Qty	Rate	Amount	Qty	Cost
KSRB 11-1: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P.67/I.12.1 PW, P & IWTD - SR 2013-14)	Each			2.00	3489.52	6979.04	2.00	6979.04
34 KSRB 13-11.1: Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity). Specification No. KBS 13.22 (P.83/I.13.78 PW, P & IWTD - SR 2013-14)	Nos			1.00	8831.92	8831.92	1.00	8831.92

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	
35	KSRB 13-1.3: Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 25mm dia nominal bore with fittings (medium grade weight 2.51kg/ mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No. KBS 13.2.14 / 13.8 (P.79/I.13.3 PW, P & IWTD-SR 2013-14)	M			15.00	310.58	4658.70	15.00	4658.70
36	KSRB 13-1.6: Providing and fixing to wall, celling and floor galvanized / mild steel tube 50 mm dia nominal bore with fittings (medium grade weight 5.24 kg/mtr) B class incldluing cost of all materials, labour charges HOM f equipments and testing complete as per specifications and diretcions incharrge of engineer work) P.No94/13.6,	M			10.00	515.16	5151.60	10.00	5151.60
37	Supplying and wiring adoptiong loop system in existing PVC conduit /casing caping using copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose legnth in a wood/PVC round block, complete for each outlet. (P.4/I.8.I.C) Electrical-SR 2012-13)	No.					0.00	0.00	0.00
	b) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch				6.00	175.00 1.00	1050.00 6.00	6.00	1050.00 6.00

Sl. No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
	c) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch				6.00	368.00	2208.00	6.00	2208.00
38	Supplying 6A flush /projected type socket and a 6 amps flush/projected type SP switch either surface mounting in a gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required. (P.6/I.12a) Electrical -SR 2012-13)	No			12.00	91.00	1092.00	12.00	1092.00
39	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete. (P.4/I.6) Electrical -SR 2012-13)	Each					0.00	0.00	0.00
	a) 4"x4"x3"				4.00	44.00	176.00	4.00	176.00
	b) 12"x12"x3"				2.00	98.00	196.00	2.00	196.00
	c) 10"x7"x3"				2.00	68.00	136.00	2.00	136.00
40	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulated etc.,, and fixing on existing wooden or metal box using N.F. screws.., (P.10/I.22) Electrical SR - -SR 2012-13)	Sq. cmt			3000.00	0.22	660.00	3000.00	660.00
41	Extra for groove cutting, plastering and colour washing for embedding PVC conduit/GI pipe and plastering finishing the wall upto wall surface complete upto 50mm conduit in brick in wall (P.3/I.7a) Electrical-SR 2012-13)	Rmtr					0.00	0.00	0.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	[illegible]
42	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit..... The pit should be filled with equal proportion of salt and charcoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as per IS1 specification 7.3.3 of IS 732 using 12 mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 122 mm dia. (P.68/I.2) Electrical - SR 2012-13)	Each			40.00	14.00	560.00	40.00	560.00
43	Supplying and fixing of porcelain fuse chanel with cut out on existing wooden/panel using ncessary nuts, bolts and washers etc complete (P.32/I.3a) Electrical -SR 2012-13)	Each			1.00	3000.00	3000.00	1.00	3000.00

Sl. No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
44	Supplying 20mm dia 2mm thick heavy guage PVC conduit pipe with suitable size bends, metal junction boxes, adhesive paste etc and running before concreting the slabs. The conduit should be tied to the reinforcement roads by using binding wire and unused ways of junction boxes and pipe ends should be covered using PVC and enclosures and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. (P.2/I.2a) Electrical -SR 2012-13)	Rmtr			40.00	32.00	1280.00	40.00	1280.00
45	Supplying and fixing PBBC brass/Bakelite straight or slant batten holder and wiring, within 60W/230 Volts lamps. (P.13/I.12a) Electrical -SR 2012-13)	No.			2.00	60.00	120.00	2.00	120.00
46	Supply patty type fluorescent tube light fitting of 4 feet 40 watts fluorescent tube of 230 volts made of M.S. sheet and stove enameled with heavy duty polyfill aluminum choke, starter, locking type brass contact holders mounted on foldable type sheet base fully wired.for use on 230 volts AC supply including 1 Nos 4'-36/40 watts fluorecent tube A Group (P.16/I.2a) Electrical -SR 2012-13)	No			10.00	400.00	4000.00	10.00	4000.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	C
47	Wiring for lighting / power circute using one of PVC insulated 1100v/grade multies and copper conductor single core cable in open or consealed system of wiring A Group materials 1.50 Sqmm materials (P.9/I.20Ib) Electrical -SR 2012-13)	Rmtr			160.00	15.00	2400.00	160.00	2400.00
48	Supplying and running of GI / Copper conductor for grounding & (along with other wires of CTS or conduit system of wiring) using if necessary suitable size clamps bolts nuts and washers etc. (P.68/I.3Ic) Electrical -SR 2012-13)	Rmtr			6.00	221.00	1326.00	6.00	1326.00
49	Supplying and fixing miniature circuit breakers/Isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required (P.36/I.12Ba) Electrical -SR 2012-13)	No.			1.00	370.00	370.00	1.00	370.00
50	Supplying capacitor type ceiling fan complete with down rod blades, shakle, regulator canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved (Almanord, Unique ISI, Anchor, Crompton, Khaitan, Bajaj, Usha, Johnson make) (P.23/I.23IIa) Electrical -SR 2012-13)	Nos			2.00	1900.00	3800.00	2.00	3800.00

	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
51	Fixing a ceiling fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. (P.29/I.8) Electrical -SR 2012-13)	Nos			2.00	105.00	210.00	2.00	210.00
52	Supplying and fixing 32mm dia class A GI pipe bracket upto 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluoroscent tube street light fitting of all capacities to GI or CI or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. (P.28/I.12b) Electrical-SR 2012-13)	Nos			2.00	685.00	1370.00	2.00	1370.00
53	Digging of trench of 0.6m deep x 0.50mtr wide refiling the trench to the required ground level and consolidating etc., complete. In Hard Soil (P.70/I.6b) Electrical -SR 2012-13)	Rmtr			20.00	50.00	1000.00	20.00	1000.00
				TOTAL			~~2994250.80~~ 2995000		~~2994250.80~~ 2995000

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Ramanjeeraiah
AE
Ward no 04

Assistant Executive Engineer